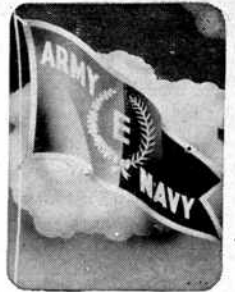




# Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Vol. 1, No. 29

OAK RIDGE, TENNESSEE

Tuesday, November 18, 1947

## Atomic Energy Secrecy Control Vitally Important

From the beginning of operations by the Manhattan District, the Army agency created to develop the atomic energy program of the nation, to the present regime of the Atomic Energy Commission the control of information regarding the work has been a problem of paramount importance.

When the purpose, and success, of the work of the Manhattan District was revealed by the dropping of the first atomic bomb on Hiroshima the interest of the entire world was centered on other possible uses of atomic energy. At the same time a desperate effort on the part of some "have not" nations to obtain the secret of the atomic bomb was begun.

### World Must Be Protected

The attitude of the United States government is that the potential power of the atomic bomb is too dangerous to be released to the world at large until means have been found to protect this country and the rest of the world from the danger of total annihilation.

It is realized by all clear-thinking persons that if information on certain atomic energy processes were indiscriminately released that in all possibility such information might be used for destructive purposes.

### President Cites Possibilities

President Truman, in calling attention to peace-time possibilities of atomic power, said:

"It has never been the habit of the scientists of this country or the policy of this government to withhold from the world scientific knowledge . . . But under present circumstances it is not intended to divulge the technical processes of production or all the military applications pending further examination of possible methods of protecting us and the rest of the world from the danger of sudden destruction."

Congress apparently followed this line of thought when the Atomic Energy Act of 1946 was passed.

### Act Authorizes Secrecy Action

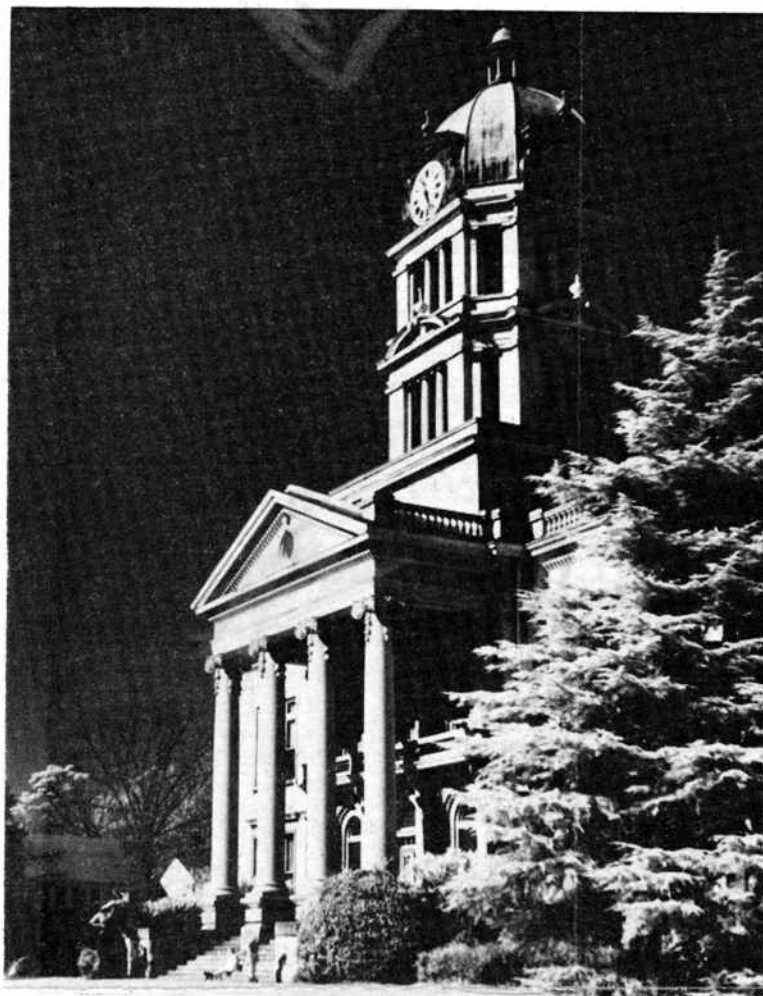
This act authorizes the Atomic Energy Commission to take necessary steps to prevent unauthorized disclosure, loss or compromise of restricted data and other classified information.

Security measures of the AEC, in force in Y-12, are designed to insure protection against methods generally used by unfriendly sources to accumulate data vital to the national defense of this country or to hinder production of materials necessary to such defense or security.

### Cooperation Is Necessary

The complete cooperation of each individual employee in Y-12 is required if an adequate security

(Continued on Page 3)



THIS STRIKING PHOTOGRAPH of the courthouse at Greenwood, Miss., won first prize for N. K. Bernander, of Y-12, in the Carbide Camera Club print contest held November 11.

## Bernander's Courthouse Picture Wins Top Camera Club Honors

A striking and effective photograph of an old courthouse in the Deep South made by N. K. Bernander, Dept. B12H, took top honors in the black and white print contest held November 11 by the Carbide Camera Club. The subject of the picture is a War-Between-The-States vintage building in Greenwood, Miss., and the photograph brings in all the details of the structure in infra-red effect.

Second place in the contest was taken by F. F. Calloway, Dept. H12E. His print showed the tower of the Duke University chapel at Durham, N. C. Third place went to R. L. Knight, Dept. H12E, with the subject of his print being an often-photographed old barn in the Oak Ridge area that has frequently drawn attention of photographers.

Gilbert Mellen, of Y-12 and president of the Carbide Camera Club, said that this most recent contest brought out some of the best entries yet shown in club competition. A total of 14 prints were shown.

Mrs. R. L. Knight will be guest of the club at its next meeting at 7:30 o'clock Tuesday night, November 25, when she will demonstrate oil tinting of portraits.

## New Automobile Safety Tests Will Be Started On December 2

Y-12 automobile owners soon will be asked to sport new Oak Ridge automotive vehicle inspection approved stickers. Testing of cars on the Department of Public Safety's safety lane for new stickers will begin December 2, it was announced last week.

A 45-day period starting on that date has been set in which motorists will be required to pass the test and obtain new stickers which

are required on vehicles operated on the area more than one day a week. Open now Tuesdays through Saturdays from 8 a.m. to 12 noon and 1 p.m. to 5 p.m., the 45-day test period schedule will be Tuesdays through Fridays from 11 a.m. to 2:30 p.m. and from 3:15 p.m. until 8 p.m. Saturday hours will be from 8:15 a.m. to 12 noon and from 12:45 p.m. until 5 p.m.

## Two Departments In Major League Have All Present

The same Y-12 departments that placed among the leaders in attendance for the week ending November 2 again topped the tables for the week ending November 9 but in different positions.

### Two Perfect In Major League

For the first time in recent weeks two departments in the major league reported perfect attendance records for the week ending November 9. They were Dept. A14N, Electrical Equipment Repair and Maintenance; and Dept. A13N, General Utilities and Standby. These departments rose to a two-way tie for first place from second and third places, respectively, the previous week.

In second place in the major league was Dept. A16N, which dropped from its perfect attendance record for the week ending November 2 to report an absentee record of only 0.4 per cent. In third place was Dept. B12H, a newly formed department in the Refining Division, which had an absentee mark of 1.1 per cent.

### Dept. A12T Repeats Record

Dept. A12T, Garage Repair Shop, was the only one of the three departments in the minor league reporting perfect attendance marks for the week ending November 2 to repeat the next week. Dept. A12R, Cafeteria and Canteen, dropped to second place with an absentee record of 0.9 per cent for the week ending November 9. Dept. A12D, Dispensary, dropped a notch to finish in third place with an absentee record of 1.3 per cent.

The plant absentee average for the week ending November 9 was 3.3 per cent, an increase of 0.1 per cent over the preceding week.

The complete plant attendance record for the week ending November 9 by departments is published on Page Three.

## New Driver Training Classes To Be Started This Week

Y-12 employees or members of their families desiring to learn how to drive an automobile may join new classes in driver training opening this week under direction of the Oak Ridge Adult Education Program, according to A. C. Keller, Jr., director of the educational project.

The new classes are opening up as others have closed as a result of the trainees completing the course.

The driver training instruction costs \$17.50 for a four-week course and includes use of an automobile. Each class lasts about two hours and are held twice weekly.

## Y-12 Employees To Pay House Rent To Roane-Anderson Firm

With Roane Anderson Co. taking over operation of housing in Oak Ridge on December 1, Y-12 employees who have been paying house rent to the Oak Ridge Housing Co. in the past will make these payments to Roane-Anderson Co. in the future.

December rent checks, due the latter part of this month, should be made payable to Roane-Anderson Co. If payments are made by mail, all communications should be

## Dance Party Will Be Given December 12 For Y-12 Folks

All Y-12 folks are urged to keep the night of Friday, December 12, open for a session of fun.

On that night a Company dance-party for all employees in Y-12 and members of their families will be staged at the Jefferson Recreation Hall. Details of the entertainment will be arranged by the Recreation Office and a full four hours of fun, from 9 p.m. to 1 a.m. is promised.

The Y-12 plant-wide parties have been noted in the past for the varied type of entertainment offered. Following the pattern of the previous functions there will be many entertainment features in addition to the dancing so that every guest will have a good time.

The dance-party program will include contests of different kinds with prizes for the winners. A door prize also is planned.

A well-known orchestra will be obtained to play for the dancing.

Watch The Y-12 Bulletin for further details of the dance-party and be sure to make your plans to attend.

Tickets, at \$1 per person, including taxes, will be available soon throughout the plant.

An invitation is being extended to K-25 employees to join in the fun.

## Red Cross Plans Services When Veterans Hospitalized

The Oak Ridge Chapter of the American Red Cross has a Grey Ladies Corps formed and in training, and plans to administer their traditional services to hospitalized veterans as soon as facilities are officially established here, it was announced by Mrs. James F. Anderson, Executive Secretary.

A veterans recreation room to be provided by the Oak Ridge Hospital will be staffed by Grey Ladies and the books for the reading section will be furnished by the Public Library. Although word has not been received regarding a definite date for the installation of veterans facilities at the Oak Ridge Hospital, Commander Frank Wilson, of Atomic City Post, No. 199, American Legion, expressed an opinion that the official announcement would come from the Veterans' Administration at Washington in the near future.

## Thanksgiving Dinner Planned November 26

Turkey and the trimmings, and what trimmings, will be served on a special Thanksgiving dinner by the Y-12 cafeterias We., Nov. 26, it has been announced by George McNamee, Cafeteria and Canteen Dept. Superintendent.

The dinner will be served from 10:30 a.m. to 2 p.m. and will cost 90c. Anyone not wishing the entire dinner may purchase individual items on an a la carte basis at prices to be posted in the cafeteria.

Here's the tasty menu arranged for the Thanksgiving dinner:

CHOICE OF Cream of celery soup or fruit juice.

ROAST young tom turkey, oyster dressing, giblet gravy and cranberry sauce.

CHOICE OF TWO: Candied yams, whipped potatoes, cauliflower au gratin or buttered peas.

CHOICE OF orange and grapefruit segments, waldorf salad, sliced tomatoes or head lettuce with Thousand Island dressing.

CHOICE OF hot mince pie, pumpkin pie, egg custard pie or hot fudge sundaes.

Rolls and butter and coffee.

# Y-12 Bulletin

Published Weekly By  
Carbide And Carbon Chemicals  
Corporation

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Oak Ridge Tenn.

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## Council Sets Open Meeting December 8

The recently elected Oak Ridge Council will hold its first open town meeting under the chairmanship of Carl A. Cooper, of Y-12, at 8 o'clock Monday night, December 8, in the high school auditorium, it was announced last week by J. P. Gill, secretary of the Council and also a Y-12 employee.

### Interesting Program Planned

Councilman T. W. Rodas is arranging a program to present at the meeting. Although the exact nature of the program has not yet been determined, it is expected to be of interest to every resident of Oak Ridge.

Chairman Cooper has urged every Y-12 employee who is a resident of Oak Ridge to attend this and other open meetings of the Council in the future. By having residents of the Atomic City attend the meetings and voicing their views on various subjects the Council can obtain a better idea of their wishes on important matters and take action accordingly, the council chairman said.

### Monthly Meetings Planned

Secretary Gill said that the Council will hold open town meetings on the second Monday of each month in the future. All sessions will be held in the high school auditorium.

## Legion Post Elects AEC Man As Vice Commander

The post of vice commander of Atomic City Post, No. 199, American Legion, left vacant by the resignation of Don Riley, has been filled by the election of Miller B. McDonald, of the Atomic Energy Commission, it was announced by Post Commander Frank Wilson. McDonald, a native of LaFollette, Tenn., in four years of army service saw action in both the European and Pacific Theaters.

Commander Wilson also stated that the 1948 membership drive has already placed the Atomic City Post in the lead among Legion posts in Tennessee's seven largest cities and that the halfway mark had been reached in the drive for 1,000 members. The post membership has been divided into teams of "Reds" and "Blues" for the current drive.

The Women's Auxiliary of the Atomic City Post has arranged bingo parties for every second and fourth Thursday of each month at the Legion headquarters in Grove Center.

## Y-12 Represented In 'Carol' Cast

The cast selected last week for the December performance of an adaptation of Dickens' "A Christmas Carol" includes a number of Y-12 people, it was announced by Mrs. Warren Bridges who will direct the play for the Oak Ridge Community Playhouse.

Malcolm Wallis, Dept. H12E, will take the part of a miner in the production and also do a vocal solo number, while Evan Means, Dept. A14N, has been named stage manager. Mrs. Doris Reynolds, wife of William R. Reynolds, also of Y-12, has been cast as "Mrs. Fezziwig," and Martha Ross, wife of Don Ross also of Y12, is make-up manager. The play is scheduled for December 18, 19 and 20 at the high school auditorium.



Mayola Conner, Dept. A12M, has returned from a one-week vacation spent in Richmond, Ind., with a friend, Edith Wright, former employee of Y-12.

John Hood, Dept. A12L, reported to work Monday after a one-week vacation.

Ruth Turner, Dept. A12S, has returned from a vacation spent in Virginia . . . Other recent vacationers in Dept. H12S, include A. V. Bible, M. C. Bays and C. R. Keck.

Evan Means reports Frank Darby wasn't having much luck on his recent fishing trip until he started whipping around in the wind and accidentally ran upon three nice schools of crappie and soon caught his limit . . . Means devoted a recent Saturday helping put in the chimney on the Sportsmen's Association Clubhouse. Just in case the chimney doesn't work Means says they have two electric heaters . . . He also reports the rifle group is continuing work on the indoor rifle range which is being built out of a surplus barracks building.

E. H. Kelly, Dept. A14N, returned Monday after a one-week vacation.

Opal Simens, Dept. B12H, spent a recent vacation in Washington, D. C., and Campbell, Ky. . . . Mary Mitchell, spent her last five-day break at her home in Reidsville, N. C. . . . R. D. Jones, from Blythe, Cal., visited his sister, Dottie Jones, Dept. H12B, recently.

The Devenish honeymooners, Robert and Idana, have returned to work after a trip to Guatemala, Panama City and New Orleans, La.

Aileen Carpenter and Lorato Arnold, Dept. B12L, last week gave a linen shower in honor of Erlene Smith who recently announced her engagement . . . Georgia Leonard has returned from a recent weekend in Atlanta, Ga. . . . Thelma Cole has returned from a visit to her brother in Livingston, Tenn. . . . Dora Woods recently visited relatives in Whitesburg, Tenn. . . . Muriel Culbertson, Arlene Turner and Jim Harville enjoyed visits with their families in Rogersville, Tenn. . . . Betty Cole flew to Philadelphia, Ohio, Friday afternoon. After spending the weekend there she returned to work Monday.

Carl A. Cooper, of Wage Standards, was proudly declaiming last week about his brand new grandson, Lynn Allen Cooper, born at the Oak Ridge Hospital October 31. The youngster is the son of Mr. and Mrs. C. A. Cooper, Jr., who also are the parents of a daughter.

W. D. Lavers and P. C. Ziemke, both of Y-12, accompanied by Warren Niles, of the Atomic Energy Commission, attended a recent session of the Tennessee Valley Convention of Civil Engineers at Johnson City. During their trip the group was guests of the Tennessee Valley Authority at the record-breaking blast in which 520,000 pounds of explosive were detonated in connection with the construction work on the Watauga Dam of the TVA.

Guard Dept. Capt. Ray Ledford's wife and daughter, Omega, recently airplained down to Miami, Fla., for a visit of several days.

L. H. Bishop, Dept. A15N, and wife recently have returned from a lovely vacation spent in Miami, Fla. . . . C. L. Taylor and family spent their long weekend in Berea, Ky.

Dept. A15N employees now on vacation are H. W. Ditchen, Sam King and R. B. Schubert . . . The department welcomes C. O. Johnson and H. K. Gaston into the fold. Gaston recently was discharged from the Army after serving 19 months in Japan.

C. H. Kasperek, Dept. A12N, and family left Saturday for St. Louis where they are spending a two-week vacation . . . J. H. Gooch and family are vacationing at his home in Stanford, Ky., and from there intend to go to Detroit, Mich., before returning to work next Monday.

Mrs. Franklyn Smyth: "Many of my ancestors go back to Columbus. Why just last week, my aunt went back to Cincinnati."



A NUMBER OF Y-12 WOMEN EMPLOYEES are included in the group of Beta Sigma Phi Sorority members pictured above at a recent banquet and installation of new members meeting. Among the Y-12 women in the picture are Ophelia McCord, Mable Tyre, Elizabeth Cook, Helen Matthews, Lovelle Thompson, Lucy Whitman, Mary Brown, Virginia Hill and Mabel Thompson. Other members of the cultural and social sorority of Oak Ridge business women who are from Y-12 include Katherine Baker and Idana Devenish.

## "Rumor And Humor"

### Report Of Big Employment Cut Belongs To Humor Column

This rugged rumor reached the ears of the Rumor and Humor reporter of The Y-12 Bulletin last week in conversation with a group of Y-12 employees.

#### HERE'S THE RUMOR

Joe: "Well, Jack, it looks like this is it. I got it straight the other day that they are going to cut down Y-12 to 500 employees by the first of the year."

Jack: "Yeah, it's too bad, and all the folks up top have been keeping it a secret, too."

#### HERE'S THE HUMOR

Unfortunately, there isn't much humor to this rumor except possible some questionable pleasure obtained by the person who started it with the apparent hope of just seeing

some of his fellow employees squirming with uneasiness. If that's fun—you can have it.

#### EDITOR'S INVESTIGATION

The scope of the operations in Y-12, plus the new work being brought into the plant, will always determine the size of the force of employees necessary for efficient performance. Based on these facts — this rumor, sure enough, belongs in a humor column.

#### 'CULVER CADETS' FORMED

A new group within the Girl Scouts organization known as the "Culver Cadets" has been formed with "Flight No. 43" as its designation. Cadet members will study plane mechanics and flying and will visit the Knoxville airport.



Three births were reported to Y-12 families from the Oak Ridge Hospital last week. They are Mr. and Mrs. Forrest Neil Case, a son, November 7; Mr. and Mrs. Michael Getsi, a daughter, November 10; Mr. and Mrs. Thomas Michael Andres, a son, November 12.

## Hospital List

Seven Y-12 employees were patients at the Oak Ridge Hospital last week. They were Frederick Uffleman, Dept. M13C; David E. Lewis, Dept. A17N; Georgia A. George, Dept. B12H; John Clifford Moore, Dept. A17N; Elmer Johnson, Dept. B12C; Clyde E. McGregor, Dept. A13T; Gwendolyn Thomas, Dept. B12L.

## Symphony And Chorus Plan School Children's Concert

School children of Oak Ridge will be guests at a concert to be given at 2 p.m. Saturday, November 22, in the high school auditorium by the Oak Ridge Symphony and Community Chorus, it has been announced. The concert tickets will be issued to the students by their teachers, and adults will be admitted if accompanied by a student.

The concert program will consist of the "Dance of the Comedians" from Smetana's opera, "The Bartered Bride," the first movement of Mendelssohn's "Scotch" Symphony; Eric Coates' "London Suite;" and excerpts from Wagnerian operas.

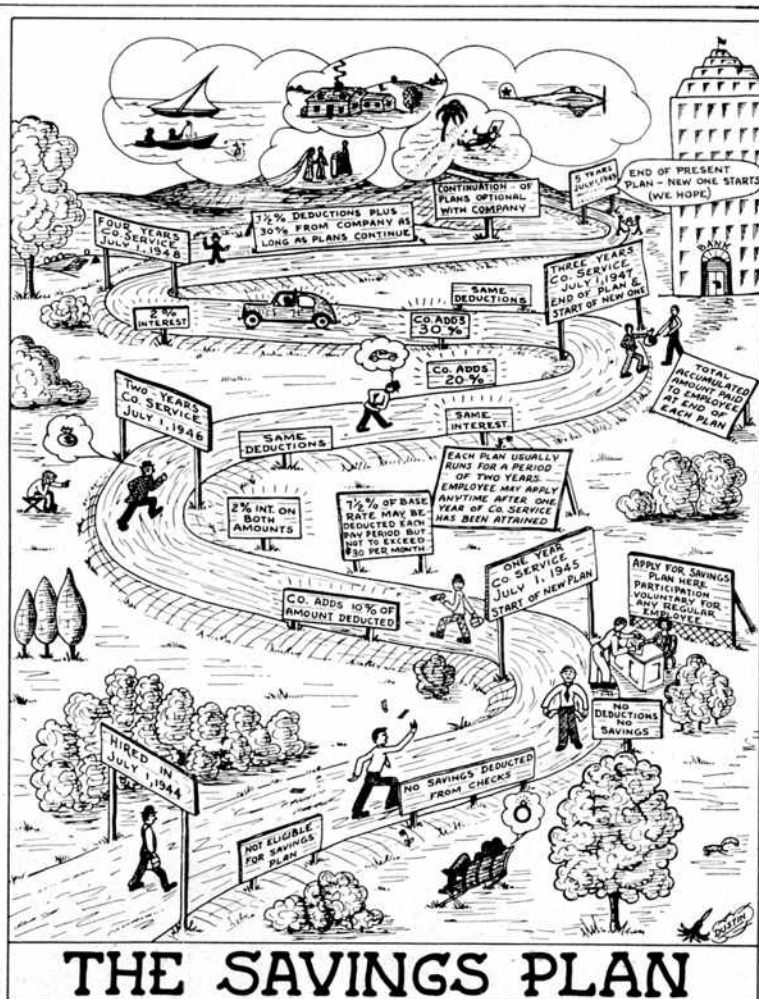
## Firemen Repairing Toys For Needy

Every fire station in Oak Ridge is now a toy repair workshop, it was reported by spokesmen of the Christmas Bureau, who said that toy contributions are already being received. Future contributors are advised that if they cannot bring their gifts to the fire stations, a call on phone number 5-6351 will bring a special pick-up service furnished by the Oak Ridge Junior Chamber of Commerce.

Bureau officials state there is a greater demand for dolls than other toys.

## BLOOD DONORS NEEDED

The Oak Ridge Chapter of the American Red Cross, which has assumed the responsibility of maintaining the blood bank at the Oak Ridge Hospital requests all blood donors to keep appointments promptly as it is necessary to keep a supply of 30 pints on hand at all times. Mrs. James F. Anderson, the chapter's executive secretary, also said that more donors are needed at the present time as the demand at the hospital during the first 11 days of this month equalled that of the entire month of October.



REMEMBER THAT Y-12 EMPLOYEES who transferred to Carbide without a break in service are given full credit for such time in determining the amount of benefits for which they are eligible.

## A.E.P. Winter Term Enrollment Dates Set

Registration for the winter term of night classes to be conducted by the Adult Education Program of Oak Ridge will be held December 15 through December 19 and also on January 2 and 3, 1948, with classes scheduled to open January 5, it has been announced by Archie C. Keller, Jr., director. **Suggestions On courses Asked**

Keller has asked prospective enrollees in the winter term to suggest courses to be included in the curriculum. These suggestions may be made in writing or by telephone to the Adult Education Office, Oak Ridge High School. If a sufficient number of persons ask for installation of a class every effort will be made to provide the instruction, Keller said.

In a move to increase the number of topics offered in the certificate, or non-college credit, courses, Keller reports tentatively scheduled new topics to be taught in the winter term include work in plastics, beauty culture, Bible training, parent-child problems, family relations and interior decorating. **New Credit Courses Planned**

The usual number of University of Tennessee credit courses will be offered with possible new subjects being journalism, federal income tax, home economics and sociology.

## Atomic Energy Data Control Still Is Vitally Important

(Continued from Page 1)

program is to be maintained. Frequently an employee may feel that a bit of apparently harmless information regarding the work in the plant may be of no importance. However, each portion of a 1,000 piece jig-saw puzzle is important and necessary to the final solution of the puzzle and the resultant picture. The same is true with some small amount of information inadvertently revealed by an employee. As a result, the observance of the Y-12 security program is a grave responsibility which must not be shirked.

Every Y-12 employee again is urged to know the security obligations pertaining to his particular job, not to discuss technical details of the job off the job and to assume full share of the security responsibilities of the plant.

## Radio Play Planned By Playhouse Body

The Oak Ridge Community Playhouse will present Norman Corwin's "Untitled," a radio script play, at 8 o'clock tomorrow night at the Gamble Valley Theater, as another monthly affair to which the organization's sustaining members have received special invitations. However, the public also is invited to the play, which deals with the return of the war dead.

The cast of "Untitled" includes Don Pryor, Dale Lockrem, Ronnie Bellach, Thearon Atkins, Ann Diamond and Ted Lehman, who directs the play. Transportation will be provided from Ridge Hall at 7:45 p.m.

## Aid For Crippled Children Provided

Oak Ridge parents who have crippled children and cannot afford proper medical attention or hospitalization, are asked to report the fact to the Department of Public Health which agency will arrange for their care, it was pointed out at a recent meeting of welfare agency representatives.

A report by Dr. H. H. Ring, chief of the maternal and child hygiene division, for Dr. Charles Benning, head of the Department of Public Health, showed that every case reported had been approved and is receiving care.

Gold and silver are found in Tennessee but they do not rank high in mineral resources of the state.

# Faulty Electrical Conductor In Pedestal Fan Creates Hazard; Display At Cafeteria This Week Features Safety Week Observance

Here is an example of an electrical hazard that is a potential death trap. In the picture to the right, the pedestal fan is connected to an ordinary electrical outlet. The fan will operate in a normal manner, yet even with the toggle switch "off," voltage between the pedestal and a water faucet will operate two large light bulbs at full brilliancy.

This is not a trick—nor is it an optical illusion. An electrical conductor inside the fan motor or pedestal has become bare and is touching the frame, causing the entire frame to become electrically "alive." Electrical voltage released in this manner is sufficient to electrocute a person touching the pedestal and any grounded metal, such as a water pipe or radiator. Note the heavy protective gloves worn by James L. Crawford, of Electrical Maintenance, whose duties include detection and repair of such electrical hazards.

This and other exhibits of electric hazards most frequently encountered on the job and at home will be shown in a display at the Y-12 cafeteria all this week as Electrical Safety Week is observed under sponsorship of Electrical Maintenance. Every employee is urged not to miss the exhibit—for the life you save may be yours.

## "Meet The Family" Electromet's Sources Of Ores For Alloys Are Widespread

This is one of a series of articles relating activities of firms that are members of the Union Carbide Corporation, of which Carbide and Carbon Chemicals Corp. is a unit. Others will follow at intervals in The Y-12 Bulletin.

If you were to travel far across the globe to mountain passes in Africa and Turkey, you probably would see caravans of camels padding along the heavy loads of chromite ores. They are the first link in an assembly line thousands of miles long, ending in Electromet's furnaces at Alloy, W. Va., and Niagara Falls, N.Y. Electromet is the contraction of the firm name of Electro Metallurgical Co., member of the Union Carbide and Carbon Corp. family.

Moving these and other precious ores from deep in the mountains to the hungry alloy furnaces is a tremendous job, and it is here that we meet two other members of the Union Carbide family that are the ore specialists—United States Vanadium Corp. and what is known as the Ore and Metal Division of Union Carbide and Carbon Corp. Their work takes them not only to foreign lands, but to other places equally picturesque—to snow capped peaks in the high Sierras along the California coast and to rich mines in Colorado, from which are shipped out carload after carload of tungsten and vanadium ores.

**Alloys "Custom-Tailor" Steel**

Perhaps you wonder how we all fit into the picture. Well, back when the first "horseless carriages" were chugging along American streets, steel usually meant just ordinary carbon steel made up mainly of iron, carbon and a few impurities. Today what we call "steel" is very apt to mean this ordinary steel teamed up with any number of such elements found in the earth's crust as chromium, manganese, silicon, and tungsten. Some are used to cleanse the steel, while it is still in molten form—removing objectional gases and other impurities. Others leave in the steel something of lasting value, as well, such as increased strength, toughness, and resistance to corrosion. Using the right alloy, at the right time, and in the right amount is what gives us today's "custom-tailored" metals.

The "Big Three" in Electromet's family of alloy products are ferrochrome, ferrosilicon, and ferromanganese, and the "granddad" of them all is ferrochrome, the alloy that makes steel "stainless." About one-third to two-thirds of all the chromium produced in the world, it has been estimated, has been consumed in the United States; and a large part of the chromium consumed in this country for metal-

lurgical use has been processed by Electromet.

**Chromium Top-Ranking Alloy**

Discovered more than a century ago, chromium was for many years just a laboratory curiosity. But today it is top-ranking among alloys, and in Electromet furnaces dozens of different types of chromium alloys are produced. This silvery-white metal gives to steels and irons many of its own desirable properties.

In everything from huge oil-cracking stills that rise more than 100 feet high to delicate pivot pins so minute that they can just barely be seen by the human eye—steels with chromium in them are on the job today.

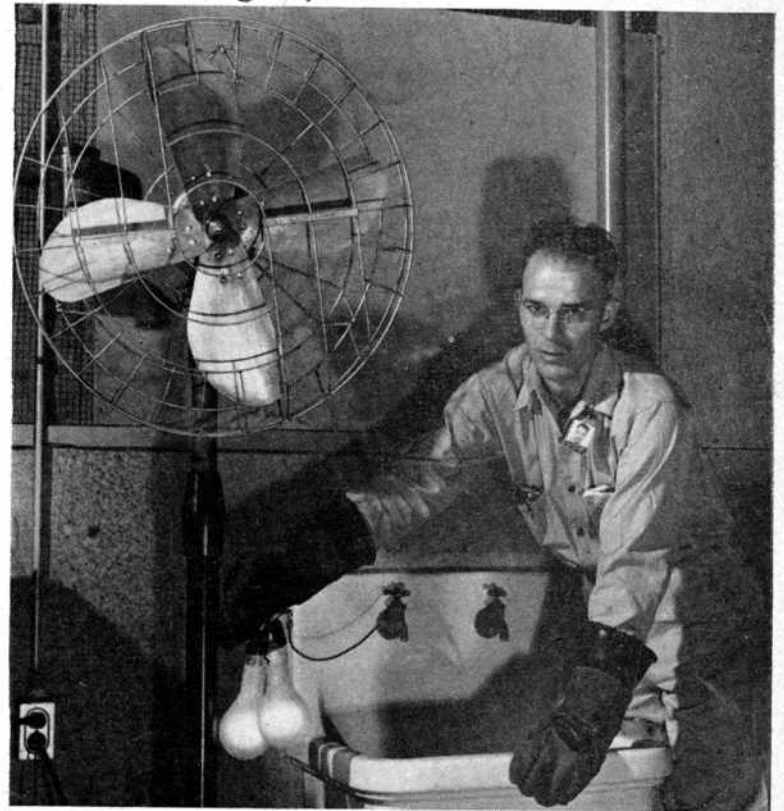
Next prominent in the alloy family picture is the "muscle builder" of the alloys—manganese, which makes steel tough. Steam-shovel teeth and all sorts of crushing machinery that you see where the going is rough benefit by the steelmen's use of manganese alloys. **Manganese Cleans Steel**

But the job that manganese is best known for, when it comes to steelmaking, is that of a scavenger cleaning-up agent. The manganese attracts the impurities in the molten steel during its manufacture, and then floats to the surface where it is skimmed off along with the slag. By readily combining with sulphur, manganese also eliminates the principal cause of "hot-shortness"—a condition in which steel is crumbly rather than tough or plastic—thereby giving it better rolling and forging properties. All steels, castings, forgings and rolled products—contain at least small amounts of manganese.

Running a close second to manganese in usefulness to steel-makers is the third of Electromet's "Big Three"—silicon, which is another powerful clean-up agent. It is one of the most extensively used of electric-furnace ferro-alloys. In fact, nearly 90 per cent of the nation's steel is cleaned by ferrosilicon.

Just as busy a life is led by many another of Electromet's long list of alloys and metals—calcium, vanadium, tungsten, titanium, and zirconium—each in its own way helping to give both industry and you better products. More about some of these other alloys, and where they are going, will be told in future articles.

Reports are that the wedding ritual is being changed from using the words "love, honor and obey" to "stop, look and listen."



## C. Columbus Story Claimed To Be Untrue

The latest victim of the debunking gentry is none other than poor old Christopher Columbus—you know—"he thought the world was round-o."

In a recent interview with the United Press, Gestao Ferreira de Almeida, a Brazilian scientist, declares that research reveals that (1) America was discovered about 44 years before Columbus' famous 1492 voyage (2) that Chris fibbed to Queen Isabella of Spain and others that he must sail into uncharted waters in his quest for a new water route to Asia.

The Brazilian claims that a map drawn in 1448 by one Andreas Bianco, of Venice, correctly located the northern coast of Brazil and that he was convinced Columbus knew about the existence of the South American continent before he set sail in his three tiny ships on the voyage that was made famous in song and story. Bianco's map, according to Ferreira, undoubtedly is genuine, as it properly outlines the Brazilian coast and has been checked by geographers.

All of which means that Ferreira believes Ol' Chris pulled a fast one on the queen of Spain who reputedly hocked the royal jewels to finance the exploration journey. What his ideas will mean to history if they are generally adopted is something else. Maybe the boys will have to think up a few new verses to that famous ditty that rambles for many chapters to relate the adventures of Chris on that memorable voyage.

## Department Absentee Mark Week Ending Nov. 9

MAJOR LEAGUE More than 50 Employees				
Dept	Percentage Absent	Standing 11-9-47	Standing 11-2-47	
A14N	0.0	1	2	
A13N	0.0	1	8	
A16N	0.4	2	1	
B12H	1.1	3	-	
A12M	2.1	4	6	
H12E	2.3	5	9	
H12L	2.4	6	8	
B13L	2.9	7	11	
A12G	3.38	8	13	
A14J	3.44	9	15	
H12D	3.66	10	14	
A12W	3.69	11	10	
B12C	4.2	12	-	
M12P	4.6	13	7	
A17N	5.6	14	12	
B12L	6.5	15	16	
A12S	7.3	16	17	
M15C	-	-	18	
M13B	-	-	4	
M13C	-	-	5	

Group absentee percentage was 3.2 per cent, 0.1 per cent higher than the preceding week.

MINOR LEAGUE 15 to 49 Employees				
Dept	Percentage Absent	Standing 11-9-47	Standing 11-2-47	
A12T	0.0	1	1	
A12R	0.9	2	1	
A12D	1.3	3	2	
A15N	1.5	4	4	
B12A	1.6	5	6	
A12A	2.6	6	8	
A13T	3.2	7	7	
A12N	3.8	8	1	
A19N	5.9	9	9	
M12S	7.0	10	10	
A12L	7.1	11	3	
M12M	-	-	-	

Group absentee percentage was 3.2 per cent, 0.3 per cent higher than the preceding week.

The plant average for the week ending November 9 was 3.3 per cent, 0.1 per cent higher than the preceding week.

## Sidewalks, Steps Contract Is Let

A contract for construction of sidewalks and steps for 500 dwellings has been awarded to the Wright Contracting Co. of Columbus, Ga., it is announced by the Oak Ridge Department of Public Works. The Wright contract is for work in the western part of the community and for commercial areas in Jackson Square and Grove Center.

The Harrison Construction Co., of Maryville, Tenn., has been awarded a similar contract for paving at Fairview School, in areas around the Grove Nursery and the AEC motor pool. Both companies are expected to start work within the next ten days and to complete the projects within 120 days.

A man wrapped up in himself makes a small parcel.



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# SPORT NEWS IN Y-12

## Plant League Basketeers Begin Play December 2; Teams Practice This Week At Fairview, Scarboro

The Y-12 Plant Basketball League is shaping up rapidly and showing definite signs of the Y-12 cagers being able to pick up where they left off last season. Numerous sessions in the Y-12 Recreation Office and many get-togethers

have resulted in the election of captains for the five aggregations already rarin' to begin hardwood court hostilities.

The following teams and their captains now preparing to open play are the Ruff House Five with

J. Thomson of Dept. H12D elected captain; Bldg 9212, naming R. H. Ford, Dept. M12P as leader; the Time Keepers, captained by H. P. Rice, Jr.; the Y-12 Guards, headed by R. Ledford; and the Kilroys Are Here Again, led by J. Sewell of Dept. M13BH.

Arnold Tiller, Y-12 Recreation Supervisor, has announced that December 2 will be the opening date for the Plant Basketball League. The entire schedule now is being drawn up and it is probable that each team will have two games per week on its agenda.

Practice sessions for Y-12 Plant League players are scheduled for Fairview School gymnasium on Monday nights and the Scarboro School gymnasium on Thursday and Friday nights. Reservations and equipment can be secured by calling Tiller at phone 7-8252.

An ear-to-the-ground rumor indicates that the Plant League will have a dark-horse entry to be announced shortly. All formalities for the operation of the league and contest schedules will be arranged at the next meeting of team representatives in the Recreation Office which has been set for next Tuesday, November 25.

## Termites Relish Cals; Overheads Also Climb

The Termites, again on an upward prow in the D Area Bowling League last Tuesday night at the Grove, began gnawing away at the roof covering the Calutron's loop leadership. The Termites, finding the wood in the Wood Choppers appetizing, filled up on a four-point victory meal, while the Shaky Cals were dropping three to the determined Scotties.

### Termites, Overheads Are Tied

The Strikers, in second place last week, pulled a "Casey at the Bat" and went down flinging with a four-point loss to the loaded Overheads. The Termites and Overheads now are deadlocked in the runnerup spot.

The Scotties, in hanging three on the Cals, polished the maples for team highs in both scratch and handicap scoring, putting together games of 769, 767 and 862 for a scratch total of 2,398 with handicaps bringing the scores to 945, 943 and 1,038 for a handicap aggregate of 2,926.

### Kappelman Sets Season's Record

Fred Kappelman played a "Horatio at the Bridge" for his team but his record-breaking high scratch for the season of 205,197 and 203 failed to save the day for the Calutrons. Leo Caldwell of the Splinters placed second with scratch game scores of 163, 224 and 180.

### League standing follows:

Team	W	L	Team	W	L
Calutrons	23	13	Strikers	19	17
Termites	20	16	Splinters	16	20
Overheads	20	16	Old Men	15	21
Scotties	19	17	W. Choppers	11	25

## Y-12 Tag Gridders Beaten Twice As Season Concluded

Y-12's tag gridders bowed twice to Monsanto's championship team in closing out the CEW Touch Football League season last week and ended up in fifth place. Mal Wallis' men did a pretty fair job in Monday night's encounter in holding the powerful Clinton Lab outfit to a 14-0 score. The Y-12 defense fell apart in Wednesday night's fracas when the same team ran up a 20 to 6 tally against them.

Defensively the Y-12 1947 tag football entry rated up among the leaders, but their repeated scoreless efforts showed an impotent offense. Frank Thurman at the center position for Y-12 was the league's outstanding player at that spot and all season his passing was almost flawless.

### Final league standing follows:

Team	W	L	Team	W	L
Monsanto	9	0	AEC P'trl.	3	6
Y-25	8	1	Y-12	2	7
R-A	5	5	AEC Luck.	1	9

## Monsanto Margins Y-12 Cue Artists

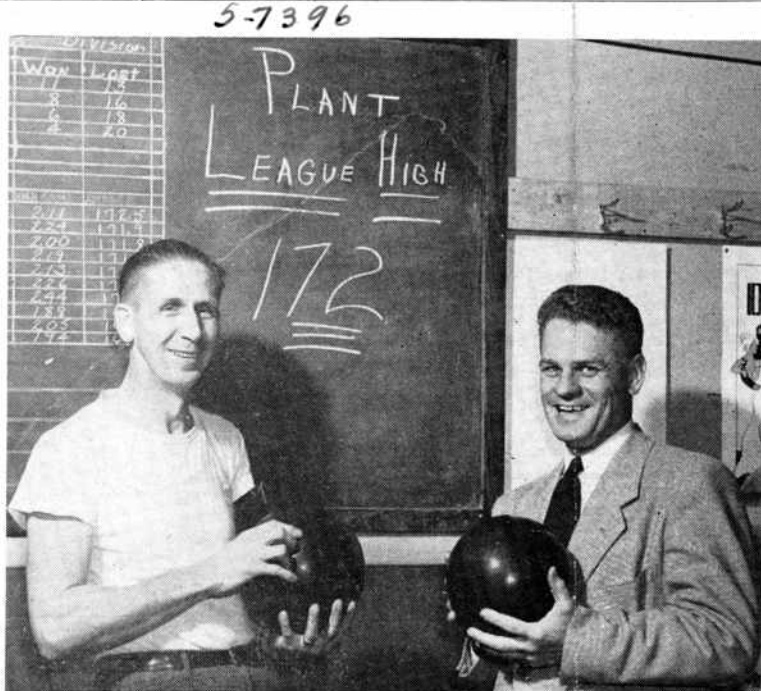
Y-12 Cueists lost a close one to Monsanto last week in dropping a 2-3 match to the fourth placers, but showed better form than in the initial games which started them off in the basement position of the CEW Pocket Billard League.

### League standing follows:

Team	W	L	Team	W	L
Cue-Cushion	16	8	Monsanto	1	14
Carbons	16	8	Jeffs	10	15
AIT	13	10	Y-12	7	18

### JOHNSON ON CLUB CARD

Members of the Rotary Club will hear an address by Keen Johnson, Undersecretary of Labor and former governor of Kentucky at their 12:15 p.m. luncheon meeting Thursday, at Ridge Hall.



THE GIANT-SIZE "172" POSTED between Roy Roberts, left, and Nick ZaBenco, represents the Plant Bowling League individual leadership which the two Comet teammates share, according to the season's averages listed last Thursday night. Both Roberts and ZaBenco bowl for the Y-12 team in the City Industrial League and in that loop Roberts stands out as the top man with a season's average of 179.

## More Candidates Report As Y-12 Women's Cage Practice Launched

The Recreation Office and Coach Bill Davis have been encouraged by the continued good response to the urgent call for feminine basketeers for a varsity team to play in the Oak Ridge City League this season.

At first it looked as though Recreation Supervisor Arnold Tiller and Coach Davis might not have been able to field a Y-12 sextet as only four members of last year's title team were left. The veterans are Dot Mellen, Virginia Bowers and the Lowe twin sisters, Judy and Alta.

But that embarrassing possibility faded fast as a number of Y-12 girls have announced their intention of coming out for the varsity team. The latest candidate is Ruth Buttles, of the Y-12 Dispensary, who played guard on the Burlington, Vt., High School team, when it captured that state's northern district championship a few years ago.

Coach Davis, who coached Kentucky high school teams to seven championships in the Cumberland Valley Conference, now shows quite a bit of optimism regarding Y-12's chances for a title repeat in the Women's CEW Basketball League.

Practice sessions for this week will be held at the Scarboro school gymnasium Thursday from 7:30 p.m. to 8:30 p.m., and Friday at the new gymnasium of the Jefferson Junior High School from 7 p.m. to 8:30 p.m.

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### SKETCH CLUB FORMED

A new Oak Ridge artistic group known as the Sketching Club has been formed and meetings scheduled every Saturday at 2 p.m. in Ridge Hall. The group will concentrate on sketches and drawings of artistic subjects in Oak Ridge and adjoining vicinities. Applications for memberships should be addressed to Walter V. Tyler, club secretary, P. O. Box 225, Oak Ridge.

## Bums Lead Planters; Rippers, Busters Next

The Rippers ripped into Bldg. 9212 for three games and secured a tie-up with the Bottom Busters on the second-place slot in the Plant Bowling League. Meanwhile the bums maintained their slender loop leadership by taking two from the Chemicals in last Thursday night's rolling at the Grove Alleys. The Lumberjacks advanced a notch into fifth place spot by grabbing two games from the Comets.

McLemore of the Lumberjacks paced the league pack in his team's victory over the Comets by rolling a scratch game of 212 for a handicap score of 266. His three-game series score of 646 topped all handicap tallies. Whitaker of the Bottom Busters placed second with a 204 scratch game, while Duncan of the Big'uns rolled the night's series high with a 554 chalk-up. The Rippers marked up a team high by rolling a single game handicap of 1,043.

### League standing follows:

Team	W	L	Team	W	L
Bums	22	8	Bldg 9212	13	17
B. Busters	20	10	W. Butchers	12	18
Rippers	20	10	Knot Hokers	12	18
Comets	18	12	Big'uns	11	19
L'jacks	17	13	Wolves	11	19
Chemicals	16	14	One-91	8	22

## Women Bowlers Of Y-12 Take Two From Druggists

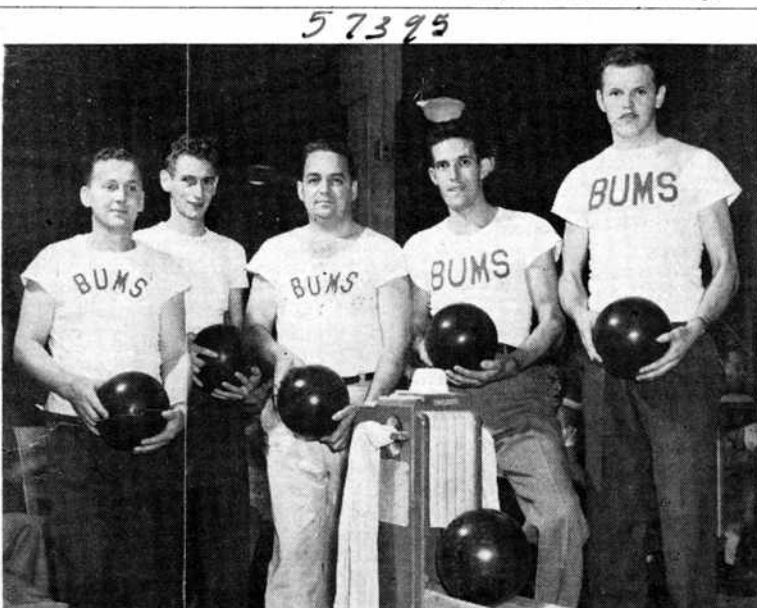
Y-12's feminine bowlers tightened their hold on third place in the Women's CEW Bowling League by taking two out of three from the Outer Drive Drug representatives last Thursday night at the Grove alleys. Y-12 lost the first stanza by a score of 561 to 689 but got into the groove by capturing the other two games, 688 to 649 and 697 to 653.

Lora Tucker for Y-12 chalked up a scratch game of 187 which was plenty good enough to top all league scoring.

### League standing follows:

Team	W	L	Team	W	L
Monsanto	19	8	G. M'chnts.	13	14
R-A	18	9	K-25	12	15
Y-12	17	10	Jeff Alleys	12	15
Fairchild	16	11	Ford Motors	19	18
Morat	16	11	Laundry	9	18
O. D. Drug	13	14	P. V. M'nts	8	19

Don't leave your badge at home—it costs you time and money.



BUMS THEY MAY BE, but this bunch of Plant League bowlers are bouncing right along at the top of the standings in the Thursday night loop. Left to right are Charles Beckett, A. G. Rice, James L. Francis, E. L. Moore and Ted Higgins. Other members of the squad not present when the picture was made include B. N. Strunk and Richard Musin.

## Y-12 Bowlers Bow To K-25; May Skid Skidmore Tonight

Y-12's varsity bowling team suffered a two out of three game defeat from the K-25 keglers in last Tuesday night's rolling in the City Industrial League.

Capt. "Sky" Barker's boys dropped the first stanza 843 to 869, captured the second 813 to 801, and lost the finale 767 to 793. The Y-12's expect to improve their third place 15-12 league standing at the expense of the cellar-dwelling Skidmores tonight at the Central Alleys.

Figures just released on the league's individual averages show Roy Roberts of Y-12 still continues being the loop's kingpin with a season's average of 179. Averages for other Y-12 pin ploppers who have rolled over six games are Ernie Cobble 169, Nick ZaBenco 166, Bruce Whitaker and L. H. Barker tied at 154.

### League standing follows:

Team	W	L	Team	W	L
AEC	20	7	R-A	13	14
K-25	19	8	Fairchild	7	20
Y-12	15	12	Skidmore	7	20

## Golf Club Sets Board Election

The Oak Ridge Golf Club will hold its first annual board of directors election at 8 o'clock tomorrow night at an open membership meeting at Grove Hall, it was announced by W. D. Lavers, the organization's secretary. A slate of 13 candidates selected by the nominating committee to be chosen to fill the nine posts on the board includes five Y-12 men. They are Jim Kirk, Dave Harrigan, Gentry Underwood, H. D. Duncan and W. D. Lavers.

The membership may make additional nominations at the meeting, it was stated. New club officers, a president, vice-president, secretary and treasurer, will be named by the newly-elected board of director members within a few days following the Wednesday night meeting.

### COOK PLANS JAYCEE CARD

Lester Cook, of Y-12, program chairman for the Oak Ridge Junior Chamber of Commerce meeting at 7:30 o'clock tomorrow night in the Roads and Streets Building, has announced that Carl A. Cooper, of Y-12, Chairman of the City Council; and L. Z. Dolan, City Manager, will address the Jaycees. Moving pictures of football games also will be shown.

Your country depends on security—HERE and NOW.